

# SDSRV & DDSRV Implementation Plan Doug O'Neill

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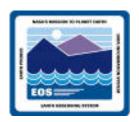
## **New SLOC Estimates by Milestone**



CI	IDR	D-DDR	Delta
Data Server			
Document Data Server (DDSRV)	4040	5040	1000
Science Data Server (SDSRV)	46500	53900	7400

- Major SLOC Estimate Change Since IDR-B
  - Science Data Server (+3.4K), conversion of stored procedures from Sybase to Illustra
  - Multi-State Granule basic service (+1.5K)
  - Reprocessing unaccessible files (+2.5K)

## **Data Server Phased Recovery Plan**



Implementation Plan focuses on providing a functional Release B Science Data Server in Phase 1 and adds additional products and services in Phase 2

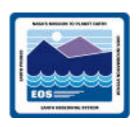
- Phase 1 (3 months)
  - Conversion from Release A SDSRV (Sybase based) to Release B SDSRV (Illustra based)
  - Implement selected new products and services (ESDTs)
- Phase 2 (4 months)
  - Complete implementation of new products and services (ESDTs)
  - Complete implementation of Document Data Server

Implementation within the phases can be further distributed into highly parallel implementation tasks

Incremental deliveries can be made to I&T in Phase 2

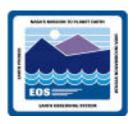
SDSRV & DDSRV will be on same phased schedule with other CIs by the end of Phase 1

# **New SLOC Estimates by Phase**



Subsystem	Phase 1	Phase 2	Total
Document Data Server (DDSRV)	1,000	4,040	5,040
Science Data Server (SDSRV)	19,960	33,940	53,900

# **SDSRV Schedule Feasibility by Phase**



#### **Based on Parallel Implementation Activities**

	Phase 1		Phase 2	
	SLOC	Duration	SLOC	Duration
Release A Retrofits	10,500	2.3		
Use of Illustra 4GL	3,400	1.5		
Release B New Generic Services	4,060	1.6	19,940	2.9
Release B New Products	2,000	1.2	14,000	2.5

<sup>\*</sup> Duration is in Units of Months